

providing the information to at least one router of the communication session for de-installing a Quality of Service policy at the router.

17. (Once Amended) The method as recited in claim 16, wherein the Quality of Service policy is in accordance with a Differentiated Services model

REMARKS

By this amendment, claims 1-31 are pending, in which claims 1-2 and 16-17 are amended. Care was exercised to avoid the introduction of new matter.

The Office Action mailed June 11, 2002 rejected claims 1-2, 6-7, 9-11, and 13-15 as obvious under 35 U.S.C. § 103 based on *Schulzrinne et al.* ("Interaction of Call Setup and Reservation Protocols in Internet Telephony") in view of *Gutman et al.* (US 6,298,383), claims 3-5, 16-20, and 31 over *Schulzrinne et al.* and *Gutman et al.* further in view of *Eriksson et al.* ("SIP Telephony Gateway on DTM"), and claim 8 over *Schulzrinne et al.* and *Gutman et al.* further in view of *Boyle et al.* ("The COPS (Common Open Policy Service) Protocol"). Claims 21-30 have been objected to as allowable but dependent on a rejected base claims.

In response to the objection to claims 21-30 as allowable and the rejection of claims 16-20 and 31, allowable subject matter dependent claim 24, e.g. "for de-installing a Quality of Service policy at the router," has been incorporated into independent claim 16.

The rejection of claims 1-15 is respectfully traversed because the applied references do not teach or otherwise suggest the limitations of the claims. For example, independent claim 1, as amended, recites "providing information to at least one server of the communication session" and "providing the information to at least one router of the communication session for enabling a

Quality of Service policy in session packets arriving at the router.” These features, done “in response to initiation of the communication session” advantageously combine to attain a “consistent and common manner of usage for IP-based networks using the Differentiated Services model.” (Spec. p. 11) Dependent claims 2-15 incorporate these feature by virtue of their dependency.

These features, however, are not taught or suggested in the references. The Office Action correctly recognizes that *Schulzrinne et al.* fails to disclose “providing information to at least one server of the communication session.” For this deficiency, the Office Action relies instead on *Gutman et al.*, col. 3:4-11, noting that “determination of the incoming message as wholesale or retail user is authorization or authentication information.” Neither reference, however, discloses providing this wholesale/retail information in *Gutman et al.* “to at least one router of the communication session for enabling a Quality of Service policy in session packets arriving at the router” as recited by the amended independent claim 1. *Schulzrinne et al.* lacks disclosure of providing a router with wholesale/retail information. *Gutman et al.*, also fails to disclose providing this information or any information to a router; rather, *Gutman et al.* merely discloses that this information is used for selecting whether to use a local AAA server or a remote AAA server (see FIG. 11 and accompanying text). Thus, even if *Schulzrinne et al.* and *Gutman et al.* were to be combined, for which the only motivation is hindsight, the result would be using this information to select an appropriate AAA server, not “for enabling a Quality of Service policy in session packets arriving at the router” as recited in claim 1.

The remaining references of record, *Eriksson et al.* and *Boyle et al.*, also do not disclose these features.

Therefore, the present application, as amended, overcomes the objections and rejections of record and is in condition for allowance. Favorable consideration is respectfully requested. If

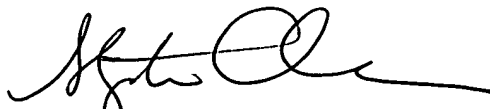
any unresolved issues remain, it is respectfully requested that the Examiner telephone the undersigned attorney at (703) 425-8508 so that such issues may be resolved as expeditiously as possible.

Respectfully Submitted,

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Date



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APPENDIX**RECEIVED**

Patent

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1. (Once Amended) A method of providing Internet Protocol (IP) communications over at least one network with Quality of Service (QoS), comprising the steps of:

[establishing that least one QoS policy in at least one network node;

] initiating a communication session between at least one first end client device and at least one second end client device; and

in response to initiating the communication session, performing the steps of:

providing information to at least one server of the communication session, said information include at least one of resource usage, policy, authorization, authentication, and accounting information;

providing the information to at least one router of the communication session[, said information including at least one of resource usage, policy, authorization, authentication, and accounting information] for enabling a Quality of Service policy in session packets arriving at the router; and

establishing a communication session between said at least one first end client device and said at least one second end client device.

2. (Once Amended) The method as recited in claim 1, wherein the [step of establishing at least one QoS] Quality of Service policy [in at least one network node uses] is in accordance with a Differentiated Services model.

16. (Once Amended) A method of providing Internet Protocol (IP) communications over at least one network with Quality of Service (QoS), comprising the steps of:

[establishing that least one QoS policy in at least one network node;

] [terminating] initiating termination of a communication session between at least one first

end client device and at least one second end client device; and

in response to initiating the termination, performing the steps of:

providing information to at least one server of the communication session, said

information include at least one of resource usage, policy, authorization,

authentication, and accounting information; and

providing the information to at least one router of the communication session[, said

information including at least one of resource usage, policy, authorization,

authentication, and accounting information] for de-installing a Quality of Service

policy at the router.

17. (Once Amended) The method as recited in claim 16, wherein the [step of establishing at least one QoS] Quality of Service policy [in at least one network node uses] is in accordance with a Differentiated Services model.